

CLAIMS

1. Method for determining which one of the owners of a shared radio network that a visiting MT (Mobile Terminal), which MT is not
5 subscribed to any of the owners of said shared radio network, is going to be connected to, said method comprising:

deriving information from said visiting MT concerning its identity,
and

- 10 using said derived information in said shared radio network for determining which one of said shared radio network owners said visiting MT is going to be connected to.

2. Method according to claim 1, wherein said shared radio network uses GPRS (Global Packet Radio Service).

- 15 3. Method according to claim 1 or 2, wherein said shared radio network uses the radio system UMTS (Universal Mobile Telecommunications System).

- 20 4. Method according to claim 1 or 2, wherein said shared radio network uses the radio system GSM (Global System for Mobile communication).

- 25 5. Method according to claim 1 or 2, wherein said shared radio network uses any of the radio systems CDMA (Code Division Multiple Access) or TDMA (Time Division Multiple Access).

- 30 6. Method according to claim 1, wherein the IMSI (International Mobile Subscriber Identity) of the visiting MT is used for deriving information concerning the identity of said visiting MT.

10092535-030802

7. Method according to claim 6, wherein said shared radio network uses GPRS (Global Packet Radio Service).

8. Method according to claim 6 or 7, wherein said shared radio network uses any one of the following radio systems: UMTS (Universal Mobile Telecommunications System), GSM (Global System for Mobile communication), CDMA (Code Division Multiple Access) or TDMA (Time Division Multiple Access).

9. Method according to claim 2, wherein the method uses a list in the SGSN (Switching GPRS Support Node) of said shared radio network for comparison with the derived information concerning the identity of the visiting MT.

10. Method according to claim 9, wherein said shared radio network uses any one of the following radio systems: UMTS (Universal Mobile Telecommunications System), GSM (Global System for Mobile communication), CDMA (Code Division Multiple Access) or TDMA (Time Division Multiple Access).

11. Device for determining which one of the owners of a shared radio network that a visiting MT (Mobile Terminal), which MT is not subscribed to any of the owners of said shared radio network, is going to be connected to, by deriving information from said visiting MT concerning its identity, wherein said device comprises means for determining which one of said owners said visiting MT is going to be connected to, based on said derived information.

12. Device according to claim 11, wherein said shared radio network is adapted for GPRS (Global Packet Radio Service).

13. Device according to claim 11 or 12, wherein said shared radio network is adapted for the radio system UMTS (Universal Mobile Telecommunications System).

5 14. Device according to claim 11 or 12, wherein said shared radio network is adapted for the radio system GSM (Global System for Mobile communication).

10 15. Device according to claim 11 or 12, wherein said shared radio network is adapted for any of the radio systems CDMA (Code Division Multiple Access) or TDMA (Time Division Multiple Access).

15 16. Device according to claim 11, wherein said device comprises means for deriving information concerning the identity of the visiting MT from the IMSI (International Mobile Subscriber Identity) of said visiting MT.

17. Device according to claim 16, wherein said shared radio network is adapted for GPRS (Global Packet Radio Service).

20 18. Device according to claim 16 or 17, wherein said shared radio network is adapted for any one of the following radio systems: UMTS (Universal Mobile Telecommunications System), GSM (Global System for Mobile communication), CDMA (Code Division Multiple Access) or TDMA (Time Division Multiple Access).

25

19. Device according to claim 12, wherein said device comprises means for comparing the derived information concerning the identity of the visiting MT with a list in the SGSN (Switching GPRS Support Node) of said shared radio network.

30

20. Device according to claim 19, wherein said shared radio network is adapted for any one of the following radio systems: UMTS (Universal Mobile Telecommunications System), GSM (Global System for Mobile communication), CDMA (Code Division Multiple Access) or TDMA (Time Division Multiple Access).
- 5

10092535-030802